



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/912,575      | 07/26/2001  | Sung-Ho Kang         | P56410              | 5495             |

7590 04/21/2005

Robert E. Bushnell  
Suite 300  
1522 K Street, N.W.  
Washington, DC 20005-1202

|          |
|----------|
| EXAMINER |
|----------|

PHILLIPS, HASSAN A

|          |              |
|----------|--------------|
| ART UNIT | PAPER NUMBER |
|----------|--------------|

2151

DATE MAILED: 04/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

09/912,575

**Applicant(s)**

KANG, SUNG-HO

**Examiner**

Hassan Phillips

**Art Unit**

2151

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 22 February 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1 and 3-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1 and 3-24 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

This action is in response to amendments and remarks filed on February 22, 2005.

#### ***Specification***

After consideration of the amendments made to the title to clearly indicate the invention to which the claims are directed, the Examiner has withdrawn the objection to the specification.

#### ***Claim Objections***

After further consideration, the Examiner feels the claims are properly sequenced. The Examiner has therefore withdrawn the objection to the claims.

#### ***Response to Arguments***

Applicant's arguments filed February 22, 2005 have been fully considered but they are not persuasive. Applicant argued that: Anderson does not disclose the details of an agent server, and thus does not disclose a communication unit or a control unit having the functions recited in the claims. Examiner respectfully submits that Applicant has misinterpreted the prior art of record.

In regards to Applicants arguments, the Examiner asserts the ID server (760) taught by Anderson has been interpreted as the agent server in the claimed invention since the ID server implements all the functionality of an agent server as claimed by the

Applicant in the claimed invention, (col. 8, line 47 through col. 10, line 14, and col. 12, line 57, through col. 13, line 29). Furthermore, although Anderson does not specifically mention units such as the "communication unit", or "control unit", these units are inherent in the teachings of Anderson because the functionality of these units are also disclosed in the teachings of Anderson, (col. 8, line 47 through col. 10, line 14, and col. 12, line 57, through col. 13, line 29).

Applicant's remaining arguments with respect to claims 1, 7, 13, and 19, have been considered but are moot in view of the new ground(s) of rejection.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 3-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Anderson et al. (hereinafter Anderson), U.S. Patent 6,567,122, in view of Applicants Admitted Prior Art (AAPA).

In considering claims 1, 7, 13, and 19, Anderson teaches a network system and method, comprising: At least one network unit 100 having a variable internet protocol

(IP) address and unique identification information, (col. 8, line 47 through col. 10, line 14, and col. 12, line 57, through col. 13, line 29); and an agent server 760, including a communication unit for receiving said unique identification information and said variable IP address from said at least one network unit, and for transferring said unique identification information and said variable IP address, and for receiving from a user unique identification information of a network unit selected by the user, a database 1001 connected to the communication unit for receiving and storing said variable IP address and said unique identification information transferred from said communication unit, and a control unit connected to said communication unit and to said database for receiving from the user via said communication unit said unique identification information of said network unit selected by the user, for searching said database for said variable IP address of said at least one network unit on the basis of the unique identification information received from the user, and for enabling the user to gain access to said selected network unit in accordance with results of the searching of said database, (col. 8, line 47 through col. 10, line 14, and col. 12, line 57, through col. 13, line 29).

Although the disclosed system and method taught by Anderson shows substantial features of the claimed invention, it fails to expressly disclose: a dynamic host configuration protocol (DHCP) server.

Nevertheless, Anderson suggests that a DHCP server is involved where Anderson describes the network unit changing addresses each time it establishes an Internet connection, (col. 9, lines 4-9, col. 12, line 57, through col. 13, line 12). Furthermore DHCP servers were well known in the art at the time of the present

Art Unit: 2151

invention. The Applicant admits this in a discussion of the related art, (page 2, paragraph 6).

Thus, if not implicit in the teachings of Anderson, it would have been obvious to a person of ordinary skill in the art to modify the teachings of Anderson to show a DHCP server responsive to a request from a network unit for assigning the variable IP address to the network unit for a predetermined period of time. This would have allowed an operator of the network unit to utilize the Internet at a lower rate as compared to the higher rate of a fixed IP address, AAPA, page 2, paragraph 6.

In considering claims 3, 9, 15, 20, 21, and 23, Anderson teaches the unique identification information including at least one of an Ethernet address of said at least one network unit, an identifier of said at least one network unit, and a search keyword for said variable IP address of said at least one network unit. See col. 9, lines 39-50.

In considering claims 4, 10, 16, and 18, Anderson teaches said control unit receiving at least one of said Ethernet address, said identifier of said at least one network unit, and said search keyword from the user over said network and via said communication unit, comparing said at least one of said Ethernet address, said identifier of said at least one network unit, and said search keyword with data stored in said database to produce a match, and searching for said variable IP address when the match is produced. See col. 9, lines 39-50.

Art Unit: 2151

In considering claims 5, 6, 11, 12, 17, 22, and 24, Anderson teaches the data stored in the database being updated at regular time intervals. See col. 13, lines 1-12, and col. 14, lines 54-67.

In considering claims 8 and 14, Anderson teaches a communication unit for receiving said unique identification information and said variable IP address from said at least one network unit at said agent server, and for transferring said unique identification information and said variable IP address to said database. See col. 9, lines 39-50.

### ***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

Art Unit: 2151

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hassan Phillips whose telephone number is (571) 272-3940. The examiner can normally be reached on M-F 8:00am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zarni Maung can be reached on (571) 272-3939. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HP/  
4/12/05

  
**ZARNI MAUNG**  
**SUPERVISORY PATENT EXAMINER**